FIG. 1

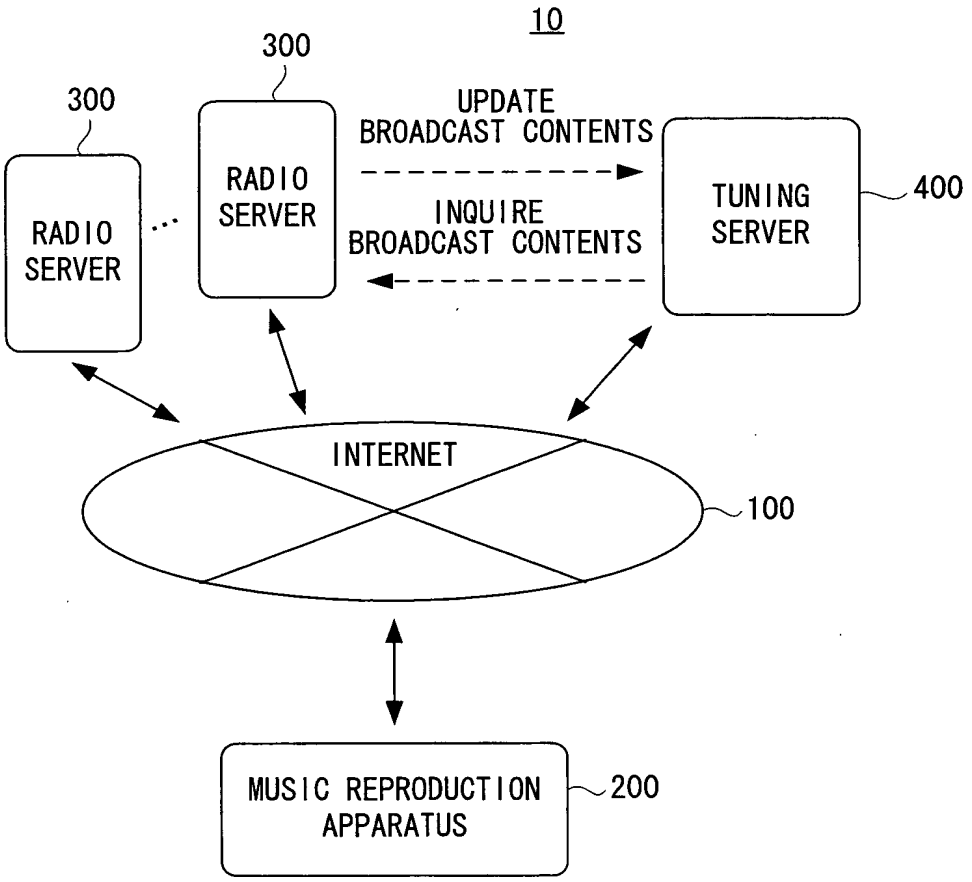

10
300
300
RADIO SERVER
RADIO SERVER
UPDATE BROADCAST CONTENTS
INQUIRE BROADCAST CONTENTS
TUNING SERVER
400
INTERNET
100
MUSIC REPRODUCTION APPARATUS
200

FIG. 2

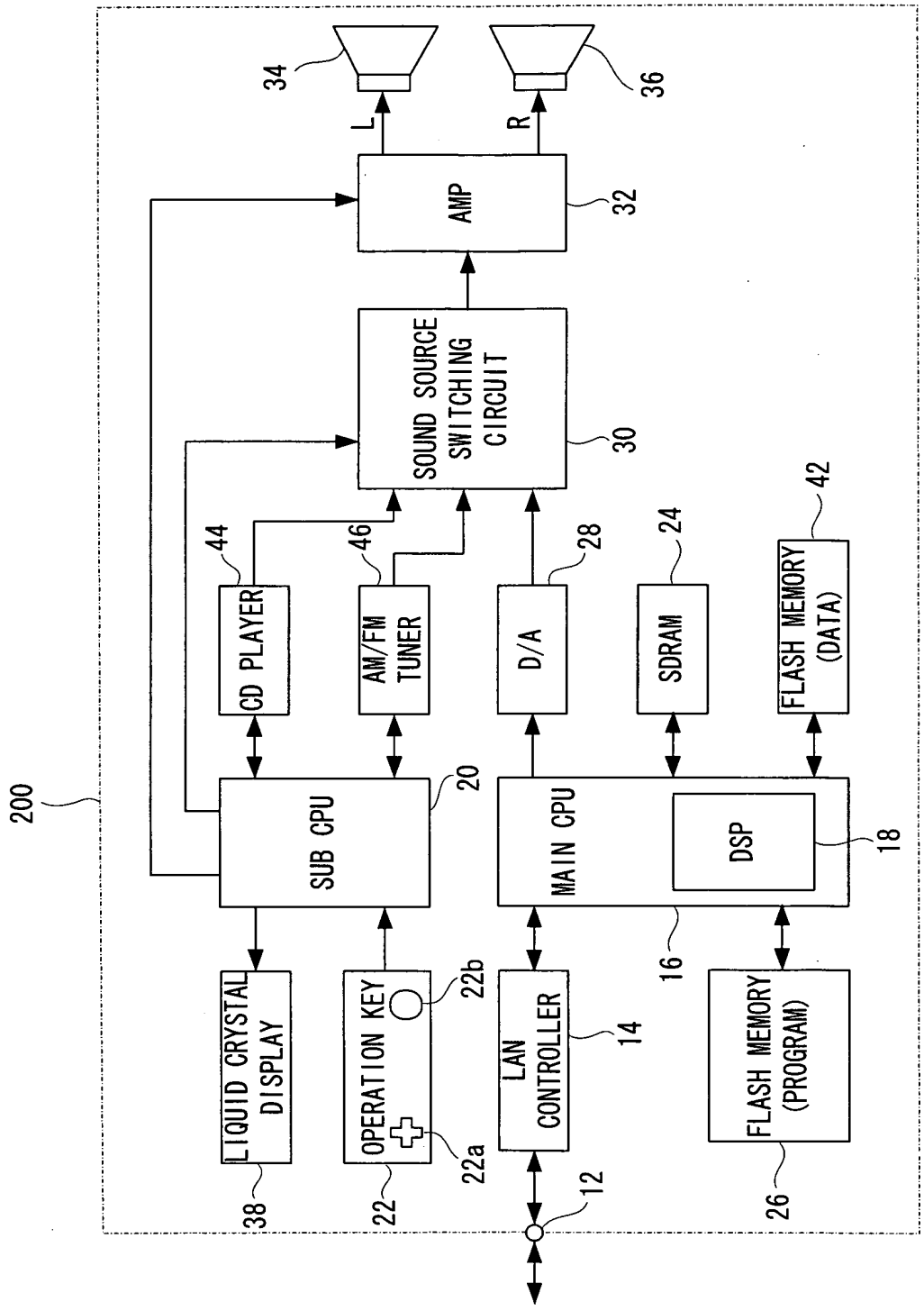

200
34
36
L
R
AMP
32
SOUND SOURCE SWITCHING CIRCUIT
30
44
46
28
24
42
CD PLAYER
AM/FM TUNER
D/A
SDRAM
FLASH MEMORY (DATA)
SUB CPU
20
MAIN CPU
DSP
18
16
LIQUID CRYSTAL DISPLAY
OPERATION KEY
22b
22a
LAN CONTROLLER
14
FLASH MEMORY (PROGRAM)
38
22
12
26

FIG. 3

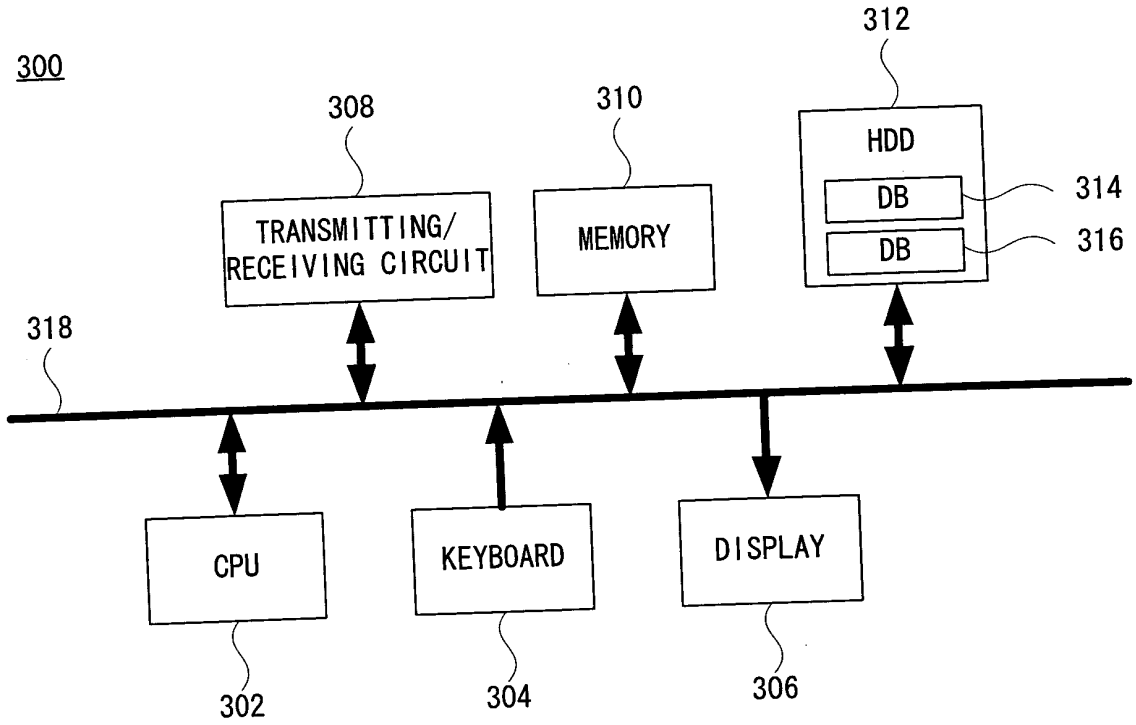

300
308
310
312
HDD
DB
DB
314
316
TRANSMITTING/
RECEIVING CIRCUIT
MEMORY
318
CPU
KEYBOARD
DISPLAY
302
304
306

FIG. 4

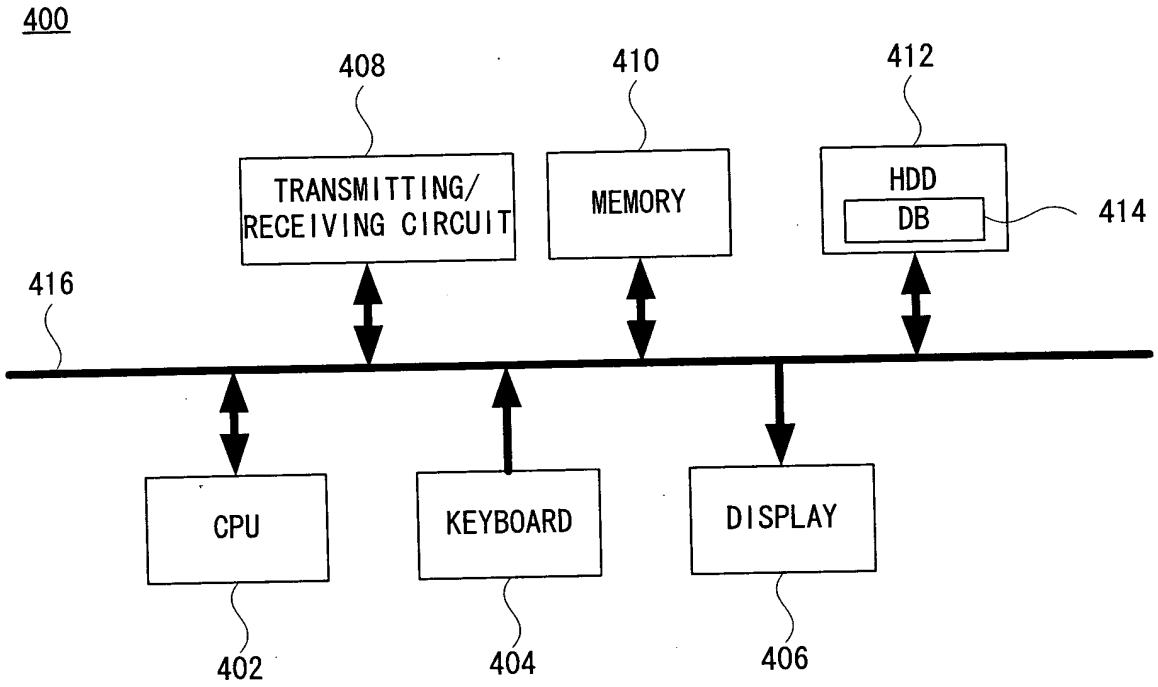

400
408
410
412
TRANSMITTING/
RECEIVING CIRCUIT
MEMORY
HDD
DB
414
416
CPU
KEYBOARD
DISPLAY
402
404
406

FIG. 5

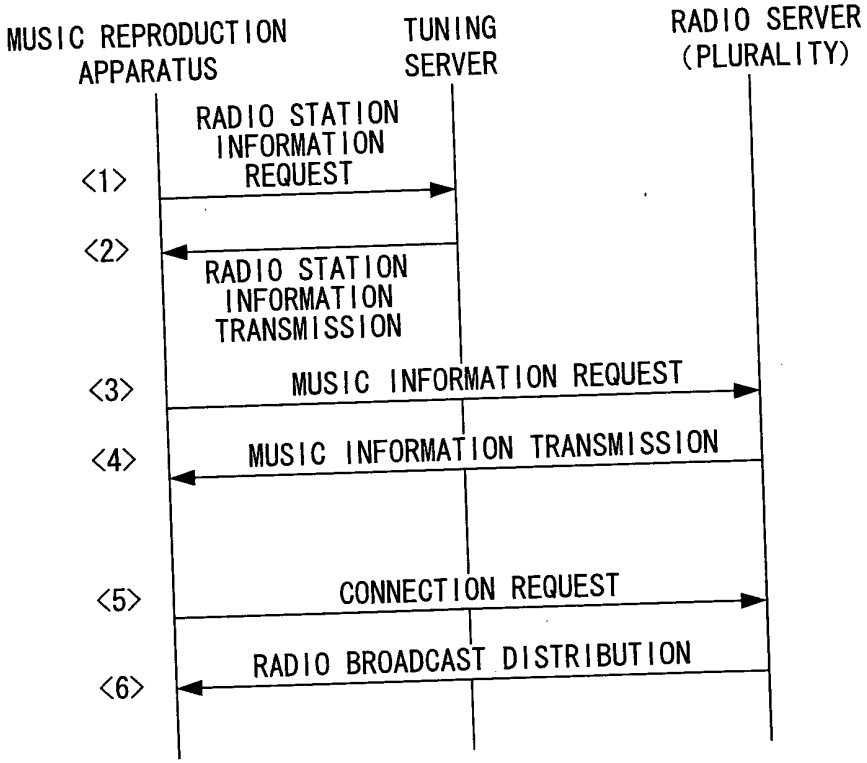


FIG. 6

MUSIC NAME	ARTIST NAME	KEYWORD 1	KEYWORD 2

FIG. 7

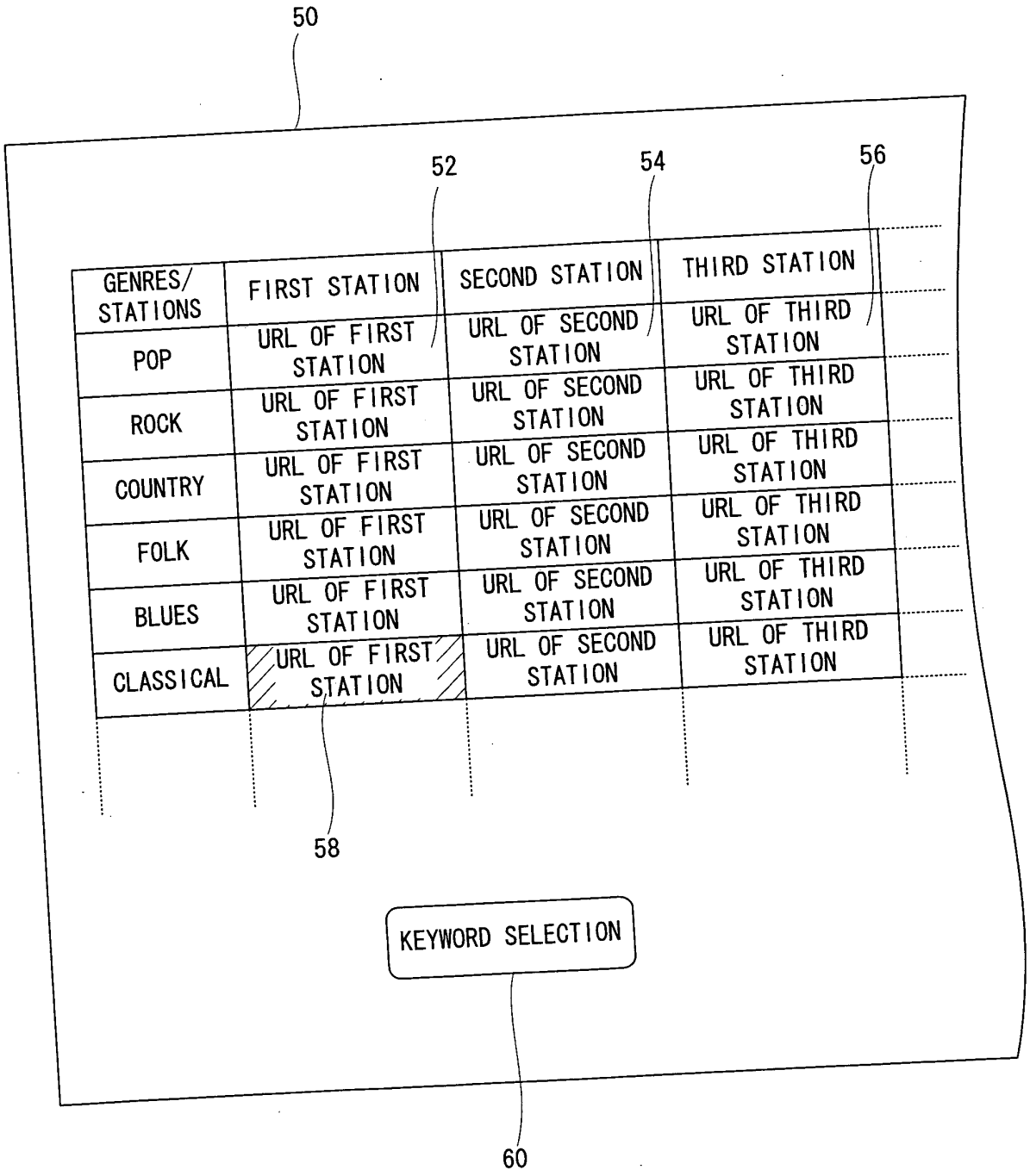

50
52
54
56
GENRES/ STATIONS
FIRST STATION
SECOND STATION
THIRD STATION
POP
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
ROCK
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
COUNTRY
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
FOLK
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
BLUES
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
CLASSICAL
URL OF FIRST STATION
URL OF SECOND STATION
URL OF THIRD STATION
58
KEYWORD SELECTION
60

FIG. 8

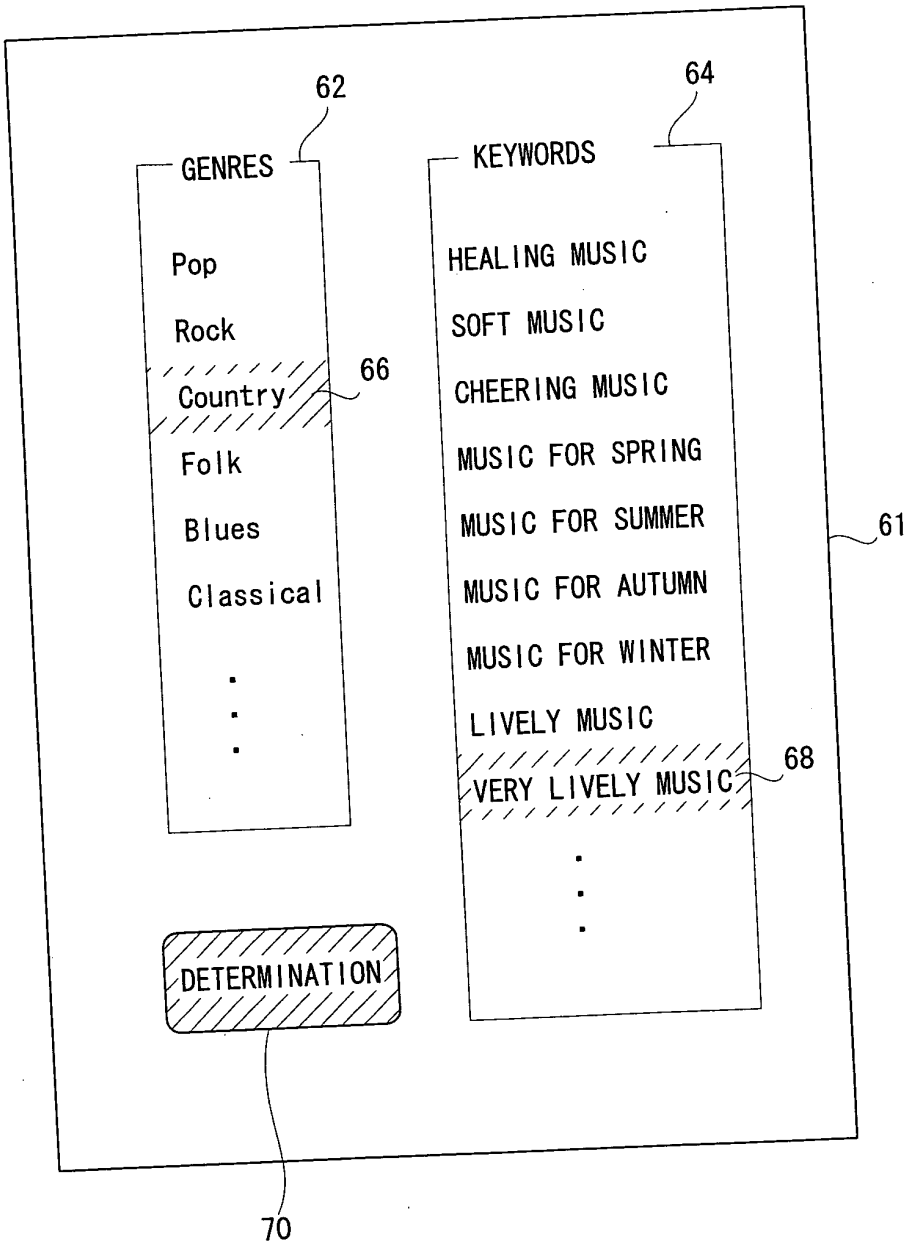

62
64
GENRES
KEYWORDS
Pop
Rock
Country
Folk
Blues
Classical
HEALING MUSIC
SOFT MUSIC
CHEERING MUSIC
MUSIC FOR SPRING
MUSIC FOR SUMMER
MUSIC FOR AUTUMN
MUSIC FOR WINTER
LIVELY MUSIC
VERY LIVELY MUSIC
66
68
61
DETERMINATION
70

FIG. 9

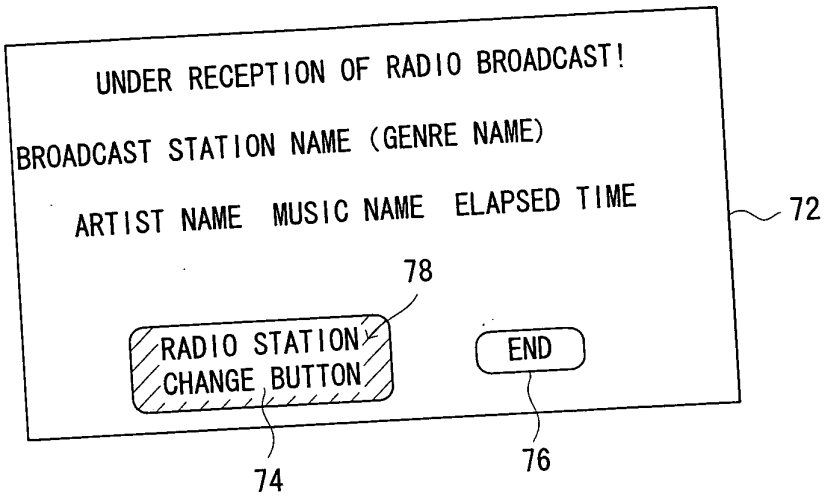


FIG. 10

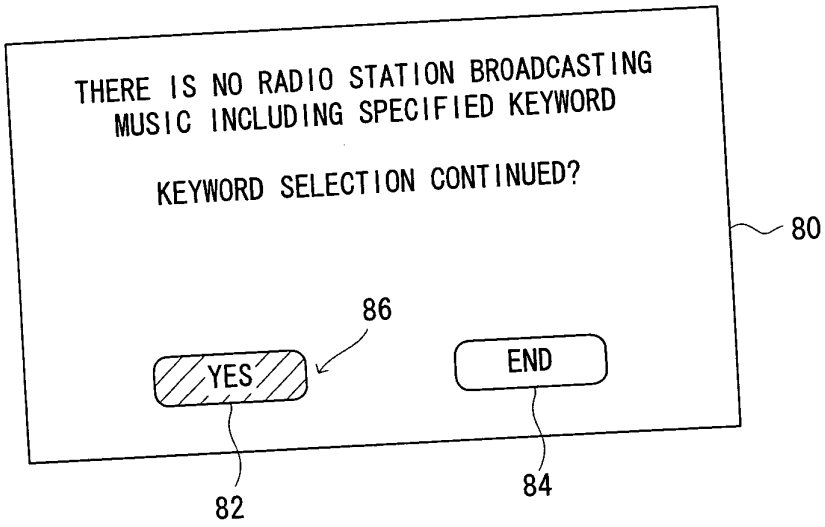
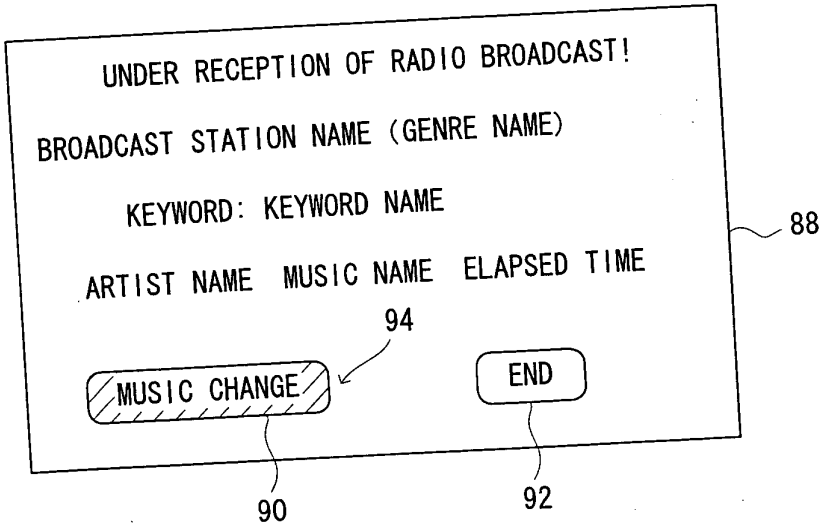


FIG. 11



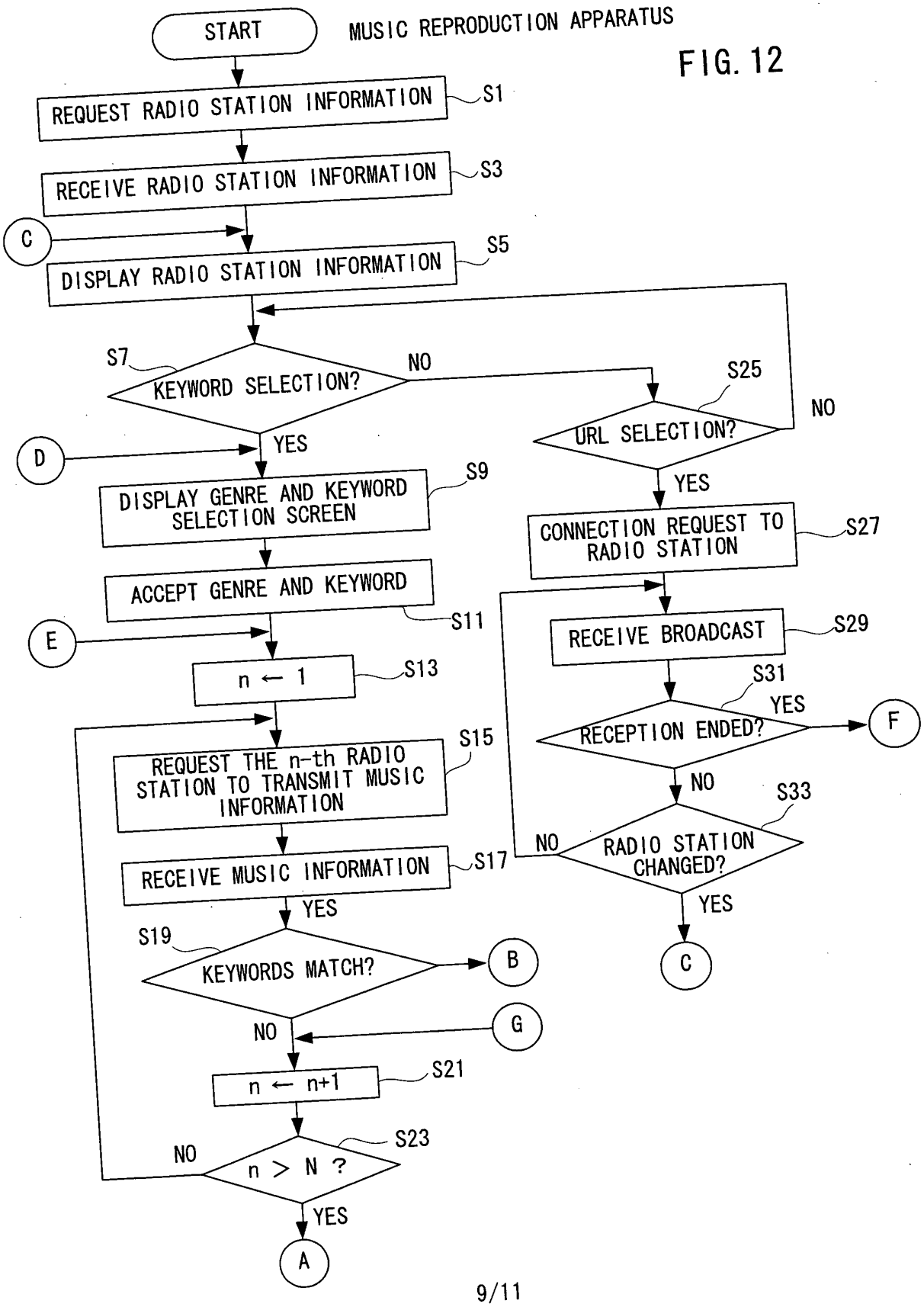

START
MUSIC REPRODUCTION APPARATUS
REQUEST RADIO STATION INFORMATION
S1
RECEIVE RADIO STATION INFORMATION
S3
C
DISPLAY RADIO STATION INFORMATION
S5
S7
KEYWORD SELECTION?
NO
YES
D
DISPLAY GENRE AND KEYWORD SELECTION SCREEN
S9
ACCEPT GENRE AND KEYWORD
S11
E
n ← 1
S13
REQUEST THE n-th RADIO STATION TO TRANSMIT MUSIC INFORMATION
S15
RECEIVE MUSIC INFORMATION
S17
YES
S19
KEYWORDS MATCH?
B
NO
G
n ← n+1
S21
S23
NO
n > N ?
YES
A
S25
URL SELECTION?
NO
YES
CONNECTION REQUEST TO RADIO STATION
S27
RECEIVE BROADCAST
S29
S31
YES
RECEPTION ENDED?
F
NO
S33
NO
RADIO STATION CHANGED?
YES
C

FIG. 12

FIG. 13

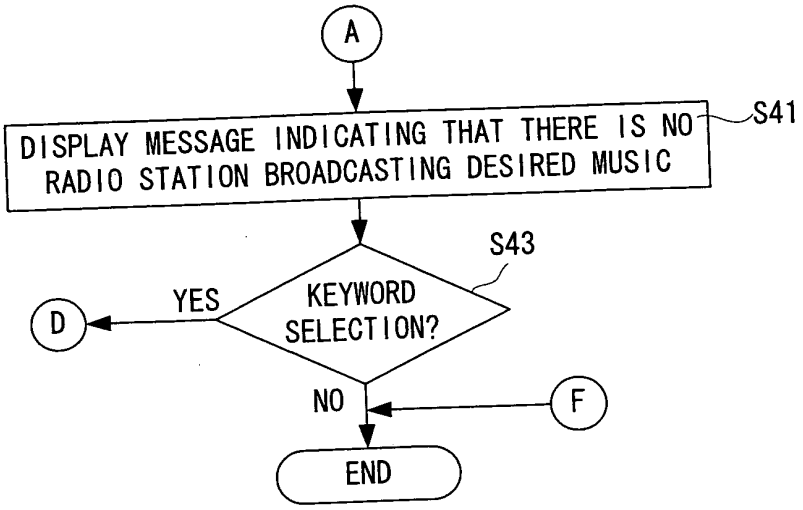

A
DISPLAY MESSAGE INDICATING THAT THERE IS NO RADIO STATION BROADCASTING DESIRED MUSIC
S41
S43
KEYWORD SELECTION?
YES
D
NO
F
END

FIG. 14

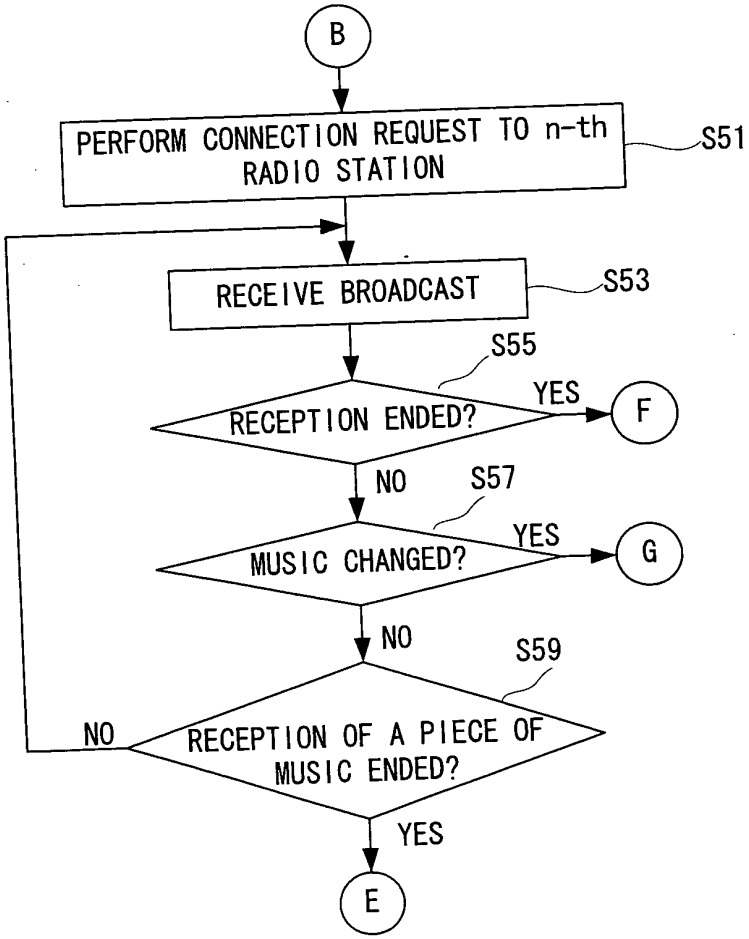

B
PERFORM CONNECTION REQUEST TO n-th RADIO STATION
S51
RECEIVE BROADCAST
S53
S55
RECEPTION ENDED?
YES
F
NO
S57
MUSIC CHANGED?
YES
G
NO
S59
NO
RECEPTION OF A PIECE OF MUSIC ENDED?
YES
E

FIG. 15

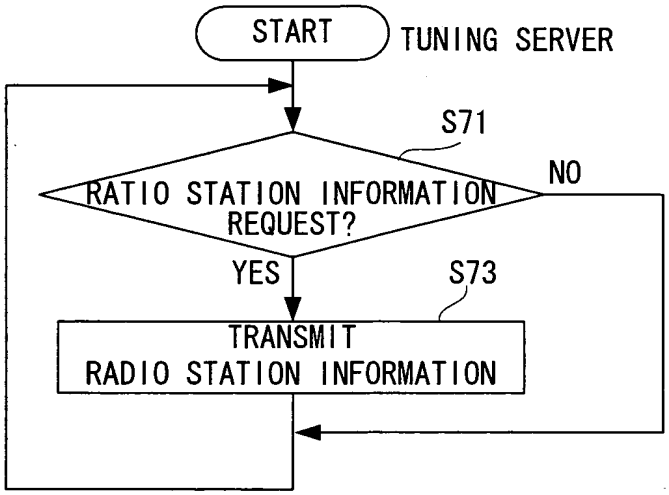
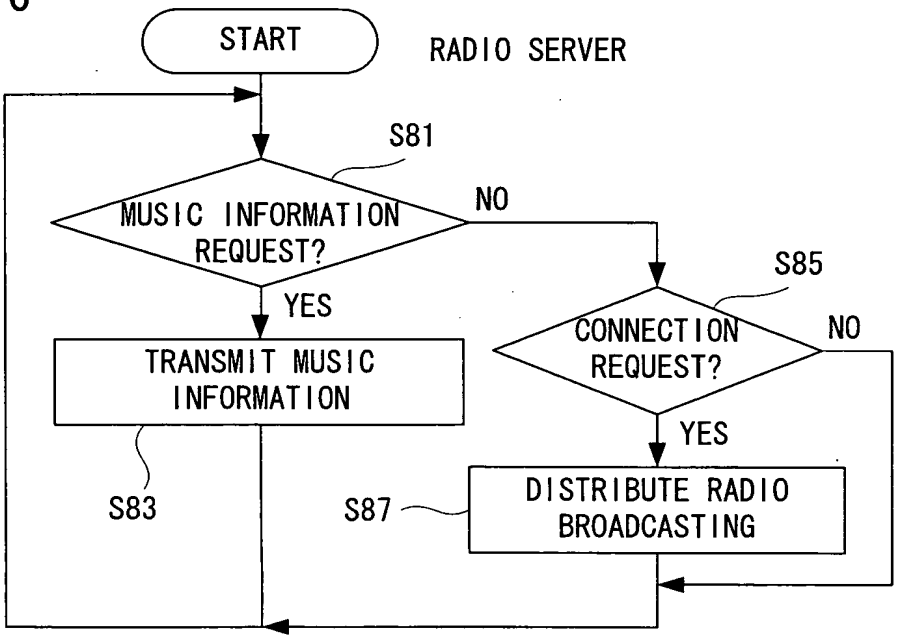

START
TUNING SERVER
S71
RATIO STATION INFORMATION REQUEST?
NO
YES
S73
TRANSMIT RADIO STATION INFORMATION

FIG. 16


START
RADIO SERVER
S81
MUSIC INFORMATION REQUEST?
NO
YES
S85
CONNECTION REQUEST?
NO
YES
TRANSMIT MUSIC INFORMATION
S83
S87
DISTRIBUTE RADIO BROADCASTING